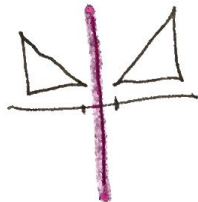
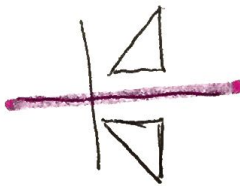



Notes - Transformations - Reflection

■ y-axis reflection  Change the sign of x-value
 $P(x, y) \rightarrow P'(-x, y)$

■ X-axis reflection  Change the sign of y-value
 $P(x, y) \rightarrow P'(x, -y)$

■ Reflection over $y=x$  switch the x and y values
 $P(x, y) \rightarrow P'(y, x)$

Ex: Where would the point $A(6, -4)$ end up after: $B(-10, 8)$

1. y-axis reflect $A'(-6, -4)$ $B'(10, 8)$
2. X-axis reflect $A'(6, 4)$ $B'(-10, -8)$
3. reflect over $y=x$ $A'(-4, 6)$ $B'(8, -10)$